

AMENDMENTS TO THE CLAIMS

Complete Listing of the Claims

1. (Currently Amended) A gearless cable-operated elevator with comprising a drive sheave drive including a drive sheave (2) twice wrapped by several parallel carrier cables; with a spaced counter sheave (3); and arranged above or below a cage (6); with guide rails being provided for said cage (6) and a counterweight (11) being attached to the carrier cables, for a machine-room-free installation in-particular, characterized in that said carrier cables are steel cables and run in semicircular grooves in the sheaves and that the ratio of the drive sheave diameter to the nominal diameter of said carrier cables is less than 40.
2. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that the ratio of the drive sheave diameter to the nominal diameter of said carrier cables essentially is 30.
3. (Cancelled) ~~The gearless cable-operated elevator under claim 1 characterized in that said drive grooves are without interference.~~
4. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that said drive semicircular grooves have minor interference, preferably interference of undercut portions each with a width between 1 to and 3 mm.
5. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that said carrier cables have a nominal diameter between 5 to 7 mm, ~~6 mm in particular.~~
6. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that it said elevator is configured configured for useful cage loads of up to 2000 kg and that ~~is comprises~~ said carrier cables with have a nominal diameter of essentially 7 mm, ~~the ratio the drive sheave diameter of essentially 7 mm, the ratio of drive sheave diameter of essentially 7 mm, and the~~

ratio of the drive sheave diameter to the nominal diameter of said carrier cables preferably being about 34.

7. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that it said elevator is configured configured for useful cage loads up to 2000 kg, between 300 kg and 1000 kg in particular.

8. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that said counter sheave (3) serves simultaneously is as a distancing deflection sheave.

9. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that, for adaptation to the occurring cable forces alone, the number of applied carrier cables is variable in said drive sheave drive.

10. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that said drive sheave (2) and said counter sheave (3) of said drive sheave drive are vertically arranged with respect to one another and in the area of ~~said~~ a shaft head in the area of said a shaft pit.

11. (Cancelled) ~~The gearless cable-operated elevator under claim 1, characterized in that said drive sheave (2) and said counter sheave (3) of said drive sheave drive are arranged in perpendicular to one another and in the are of said elongated counterweight room in said shaft.~~

12. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that said drive sheave (2) and said counter sheave (3) of said drive sheave drive are arranged on the bottom or on the roof of said cage (6).

13. (Currently Amended) The gearless cable-operated elevator under of claim 1, characterized in that said drive sheave drive is fixed to said an elevator frame for said elevator.

14. (Currently Amended) The gearless cable-operated elevator ~~under~~ of claim 12, characterized in that said holding elements for said drive sheave drive are integrated in ~~said a~~ cage frame or in a cage main support.

15. (Currently Amended) The gearless cable-operated elevator ~~under~~ of claim 1, characterized in that said a cage suspension for the elevator is effected provided with a ratio of 1 to 1.

16. (Currently Amended) The gearless cable-operated elevator ~~under~~ of claim 1, characterized in that ~~said a~~ loose pulley cage suspension for the elevator is effected provided with a ratio of between 2 to 1 or and 4 to 1.

17. (Currently Amended) The gearless cable-operated elevator ~~under~~ of claim 1, characterized in that said carrier cables are ~~steel cables, preferably~~ single-layer round core cables.

18. (Currently Amended) The gearless cable-operated elevator ~~under~~ of claim 1, characterized in that ~~said a~~ motor of said drive sheave drive is a three-phase asynchronous motor or a three-phase synchronous motor.

19. (Currently Amended) The gearless cable-operated elevator ~~under~~ of claim 1, characterized in that ~~said a~~ motor of said drive sheave drive is embodied without mechanical emergency stop braking device.

20. (Cancelled) ~~The gearless cable-operated elevator under claim 1, characterized in that said on said cage (6) a double brake is arranged as emergency stop braking device, which acts on both sides of at least one guide rail for said cage (6).~~

21. (Cancelled) ~~The gearless cable-operated elevator under claim 20, characterized in that said braking device is a double disk clasp brake.~~